

Jagiellonian University in Kraków promotes cooperation and cares for a good atmosphere based on mutual trust. It implements the strategy resulting from The Human Resources Strategy for Researchers, creating stable conditions for employment as well as the development of academic career, which resulted in the award of the HR Excellence in Research by the European Commission

INFORMATION ON SELECTION PROCEDURE

Date of selection procedure announcement Krakow, 15.10.2026

Selection procedure information number given by the Centre for Human Resources	1227.1101.258.2026
Director (F/M) of a non-faculty, inter-faculty or common unit	Director of Malopolska Centre of Biotechnology UJ dr Serghei Mangul, prof. UJ
Address	Gronostajowa 7A, 30-387 Kraków

RECTOR

of the Jagiellonian University

announces a selection procedure for the position of an

ASSISTANT PROFESSOR (F/M)

Group of employees (F/M)	Research staff
JU organisational unit (place of work performance)	Malopolska Centre of Biotechnology
Field of science	Exact and Natural sciences
Discipline	Biological Sciences
Scope	Molecular biology / Cell biology / Structural biology / Biochemistry / Biophysics
Number of posts	1
Type of employment	Fixed-term employment contract
Working time	Full time
Planned duration of employment	6 months, with the possibility of extension until 30 September 2030
Expected date of employment commencement	IV quarter 2026 / I quarter 2027

Remuneration	• basic remuneration in the amount range of 9 471–11 365 PLN gross; • seniority allowance depending on length of service (3–20%); • jubilee awards for long-term service – in accordance with the Regulation for remuneration of employees of the Jagiellonian University; • possible task-based and periodic allowances, as well as discretionary awards, upon meeting the conditions set out in the Regulation for remuneration of employees of the Jagiellonian University; • additional annual remuneration, the so-called "thirteenth salary" – after meeting the conditions specified in the relevant regulation. Benefits – Institutional Social Benefits Fund (depending on the income per family member, in accordance with the Regulations for Granting Benefits from the Company Social Benefits Fund of the Jagiellonian University): • co-financing of summer holidays (PLN 1 050–1 550 gross) and winter holidays (PLN 700–900 gross); • co-financing for children for organised holidays (PLN 900–1 400 gross), or co-financing of individually purchased summer camps, sports camps, winter camps, medical holidays or rehabilitation stays (50–90%, with the maximum amount eligible for co-financing being PLN 2 500 gross) per child; • cash equivalent for a special occasional package of sweets in the amount of PLN 100–300 gross per child; • co-financing of childcare in nurseries, kindergartens and other forms of preschool education, as well as care provided by a daily guardian or nanny (PLN 250–400 gross).
Requirements	The selection procedure is open for all individuals, who meet the requirements set out in Articles 113 and 116.2.3) of the Act of 20 July 2018 – Law on Higher Education and Science, and who meet the following eligibility criteria according to § 165 of the Statute of the Jagiellonian University: • holding at least a doctoral degree; • having relevant scientific achievements; • taking active part in scientific life.
Additional requirements necessary for employment (indicated in order of priority)	Essential Skills: • A PhD in structural biology or a related discipline, such as biophysics or biochemistry. • A minimum of 6 months' experience in an international research environment in the field of structural biology. • A proven track record of publications in peer-reviewed journals with a high impact factor. Candidates (F/M) with publications as first author or joined first author in leading journals will be particularly favored. • Proven ability to write and produce high-quality scientific publications in prestigious journals (e.g. from the <i>Nature</i> portfolio). • Advanced knowledge of cryo-electron microscopy (cryo-EM) techniques, specifically single-particle analysis, and molecular modelling; ideally, also a solid knowledge of cryo-electron tomography (cryo-ET). • A basic understanding of brain cell biology and/or protein translation dynamics is a significant asset. • Basic programming skills in Python and experience in Unix/Linux environments, including HPC systems.

	• A proven ability to produce visualizations of complex biological concepts and large-scale datasets to the publication standards of top-tier journals (e.g. the <i>Nature</i> portfolio). • Fluency in English, enabling the clear and concise presentation of complex interdisciplinary issues (structural biology and cell biology/neuroscience). • Advanced organizational skills. • Mental resilience, a team-oriented attitude and the ability to remain calm and maintain an analytical approach under pressure. • A proactive approach to problem-solving and the ability to quickly assimilate new technologies and methodologies.
Project title	Project NAWA TOP200 im. Weigla, "From homeostasis to pathology: dynamics of protein biosynthesis in human brain cells revealed by integrative structural biology", PSP: K/PBI/00234.
Project description	Protein synthesis is fundamental to cellular architecture, function, and survival. In the brain, its precise spatial and temporal regulation is essential for neuronal communication, plasticity, and maintenance, while its disruption is increasingly linked to neurodegenerative disease. The project aims to uncover the structural and molecular mechanisms governing protein synthesis in human brain cells in health and disease. The focus is on neurons and astrocytes generated from human stem cells, providing physiologically relevant models for studying protein production at high spatial resolution. The project combines state-of-the-art cryo-light and electron microscopy/tomography with quantitative analysis of proteins and RNA. Computational approaches enable the integration of large-scale imaging and molecular datasets to generate spatially resolved maps of protein synthesis within individual cells. First, a structural and molecular map of protein production in healthy neurons and astrocytes will be established. This will be followed by investigation of how this organization is altered in cellular models of Parkinson's disease, with a focus on how disease-associated genetic changes affect the localization and organization of protein synthesis and contribute to cellular dysfunction. The overall goal is to develop a mechanistic, spatially resolved model of protein synthesis in human brain cells and define how it is remodeled during neurodegenerative disease, integrating structural biology, advanced microscopy, molecular biology, and computational approaches.
Scope of duties	According to the Work Regulations of the Jagiellonian University Annex 1 to the Work Regulations of the Jagiellonian University – Model scopes of responsibilities and duties of academic teachers (F/M) The Candidate's (F/M) duties will include i.e: • independently conducting research on the molecular and structural mechanisms regulating protein synthesis in iPSC-derived human brain cells, • developing and optimizing experimental procedures to analyze the spatial organization and protein translation dynamics in cellular models of health and neurodegenerative diseases, • conducting research using advanced microscopic and structural techniques, including cryo-light microscopy, electron microscopy, and electron tomography, as well as methods of molecular biology and quantitative analysis of proteins and RNA, • preparing biological samples, conducting experiments, and analyzing the localization and organization of the protein synthesis machinery in relation to cellular ultrastructure,

	• integrating and quantitatively analyzing imaging, proteomic, and transcriptomic data to create high-resolution, spatial maps of protein synthesis in individual cells, • collaborating with project team members and scientific partners in the fields of structural biology, advanced microscopy, cell biology, molecular biology, and computational methods, • participation in the development and analysis of cellular models of Parkinson's disease, including the assessment of the impact of disease-related genetic changes on the localization, organization, and activity of protein synthesis processes, as well as on the functioning of neuronal and glial cells, • developing and applying computational methods for processing, quantifying, and integrating multidimensional imaging and molecular data, and supporting the construction of a mechanistic model of the spatial organization of protein synthesis in human brain cells, • independently compiling research results, interpreting them, and preparing reports and documentation related to the execution of research tasks, while adhering to the established project schedule, • active contribution to scientific publications, presenting findings at national and international conferences, and disseminating project results within the scientific community, • participation in the planning of subsequent research phases, formulating research hypotheses, and developing new research directions based on the obtained results.
We offer	• stable employment based on an employment contract at the renowned university, • cooperation with the interdisciplinary academic community represented by well-known scientists, • scientific support as well as the possibility of qualifications improvement and professional development, • access to research infrastructure, • benefits in the form of i.e. Multisport card, sports activities, medical packages, group insurance, • additional social benefits.
Required application documents	1. resume (CV), 2. personal questionnaire filled in by the Candidate (F/M), 3. copy of the doctoral diploma or a diploma confirming the Candidate's (F/M) habilitation degree, if applicable, 4. information on the Candidate's (F/M) scientific, teaching and organizational achievements, 5. declaration of the Candidate (F/M), confirming that the Jagiellonian University will be their primary place of work, should they be selected in the selection procedure, 6. statement under Article 113 of the Law on Higher Education and Science, 7. statement on acknowledging and accepting the rules and regulations concerning intellectual property management and commercialization in force at the Jagiellonian University, 8. list of publications (peer-reviewed and published as preprints), including DOI numbers), 9. a cover letter explaining why the Candidate (F/M) would be a good fit for the team, 10. list of courses, known and written software, training programs and acquired funding, if any, 11. recommendation letters are welcome.

	Declaration forms (no. 5–7) and personal questionnaire template (no. 2) can be obtained at: https://cso.uj.edu.pl/en_GB/dokumkandyd
<i>The course of selection procedure</i>	The first stage of the selection procedure is the formal assessment of the submitted documents. Applications which meet all formal requirements are the subject of substantive assessment, during which an interview with the Candidate (F/M) may be conducted (directly or via electronic communication channels), upon settling the date of the interview with the Candidate (F/M). During the interview, the soft competencies indicated in the announcement will also be verified. The Candidate (F/M) has the right to appeal against the negative assessment by the selection board within 7 days from receiving the information about the results of the assessment. The selection procedure is conducted in accordance with The Policy of Open, Transparent and Merit-Based Recruitment Process at the Jagiellonian University.
<i>Form of submission</i>	by e-mail to the address: job.mcb@uj.edu.pl title: "Assistant Professor 1227.1101.258.2026" Please submit your documents in English.
<i>Deadline for submission of applications</i>	02.11.2026
<i>Expected date of the selection procedure settlement</i>	23.11.2026
<i>Method of communicating of the results of the selection procedure</i>	by e-mail
<i>Questions</i>	For further information please contact by e-mail address: job.mcb@uj.edu.pl

In the selection procedure, the Jagiellonian University follows the principles of the European Charter for Researchers and a Code of Conduct for the Recruitment of Researchers.

Jagiellonian University does not provide housing.

The selection procedure does not provide for any preferences or decisions that differentiate between Candidates (F/M) on the basis of gender; the evaluation process is conducted in accordance with the principles of equal treatment and gender neutrality.

Jagiellonian University has an internal procedure for reporting violations of the law and protecting persons making such reports (whistleblowers), in accordance with applicable regulations. [Order of the Rector of Jagiellonian University on the Procedure for reporting violations of the law and taking follow-up action at Jagiellonian University](#).

On behalf of
the Rector of the Jagiellonian University

Director of Malopolska Centre of Biotechnology JU
dr Serghei Mangul, prof. UJ

Personal data processing information for job applicants

According to Article 13 of the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation – hereinafter GDPR), the Jagiellonian University informs that:

1. The Administrator of your personal data is the Jagiellonian University with its registered office in Gołębia 24, 31-007 Kraków, represented by the Rector of JU.
2. The Jagiellonian University appointed the Data Protection Officer www.iod.uj.edu.pl, Gołębia 24, 31-007 Kraków. The Officer can be contacted by email: iod@uj.edu.pl or at the telephone number 12 663 12 25.
3. Your personal data will be processed in order to:
 - a) conduct recruitment process for the position specified in the advertisement – as part of the legal obligation of the Administrator pursuant to Art. 6 (1) lit c of the GDPR in connection with the Polish Labour Code;
 - b) conduct recruitment process for the position specified in the advertisement based on your consent pursuant to Art. 6 (1) lit a of the GDPR – your consent is granted by the clear action of submitting your CV with the Administrator. The consent to the processing of personal data concerns data that you voluntarily provide as part of your CV, which do not result from Polish Labour Code.
4. The obligation to provide your personal data results from the law (it applies to personal data processed under Article 6 (1) lit c of the GDPR). Failure to provide your personal data will result in your inability to take part in the recruitment process. Submission of personal data processed on the basis of consent (Article 6 (1) lit a of the GDPR) is voluntary.
5. Your data will be processed during the recruitment period. In the event of not concluding the contract with you, your data will be deleted after the recruitment process.
6. You have the right of access to the content of your personal data, as well as the right to correct, delete, restrict processing, transfer, object to processing – on the terms and conditions set out in the GDPR.
7. If the processing is based on consent, you have the right to withdraw the consent at any time, which shall not affect the lawfulness of processing based on the consent given before the withdrawal. Withdrawal of consent to the processing of personal data can be sent by e-mail to: iod@uj.edu.pl or by post to the following address: Jagiellonian University, Gołębia 24, 31-007 Krakow, or you can withdraw your consent in person at Jagiellonian University, Gołębia 24, 31-007 Kraków.
8. Your personal data will not be subject to automated decision making or profiling.
9. You have the right to lodge a complaint with the Inspector General for the Protection of Personal Data, if you feel that the processing of your personal data violates the GDPR regulations.